

CLAIM LISTING

1. (Currently Amended) An isolator mechanism for use with a housing having a bearing with lubricant in the housing and a shaft protruding through the housing, the isolator comprising:
 - a) a stator affixed to the housing and surrounding the shaft[;], a rotor rotating with the shaft and encompassing said stator;
 - b) said stator having a radial groove formed therein with the walls of said groove extending between said housing and said shaft;
 - c) the exterior surface of a first wall of said groove facing the interior of the housing;
 - d) an axial hole in said first wall at the lower extremity of said first wall from said shaft connecting said groove to said housing.
2. (Currently Amended) An isolator in accordance with claim 1, wherein said radial groove is more than one-half the radial dimension of said stator.
3. (Currently Amended) An isolator in accordance with claim 1, wherein said hole in said first wall of stator includes an axially sloping surface connecting said radial groove to said housing.
4. (Currently Amended) An isolator in accordance with claim 3, wherein said hole and said sloping surface are elongated.
5. (Currently Amended) An isolator in accordance with claim 3, wherein said hole and said sloping surface are milled in said first wall.

6. (Currently Amended) An isolator in accordance with claim 1, wherein the inside diameter of said stator is proportional to the diameter of said shaft.
7. (Currently Amended) An isolator in accordance with claim 6, wherein the proportion of said stator to said shaft is 0.005 inches per inch of shaft diameter.
8. (Currently Amended) An isolator in accordance with claim 4, wherein said hole and said sloping surface are elongated circumferentially.
9. (Currently Amended) An isolator mechanism for use with a housing having a bearing with lubricant in a housing and a shaft protruding through the housing, the isolator comprising:
- a) a stator affixed to the housing and surrounding the shaft[;], a rotor rotating with the shaft and encompassing said stator;
 - b) said stator having a plurality of radial grooves formed therein with the walls of said grooves extending between said housing and said shaft;
 - c) the exterior surface of a first wall of said grooves facing the interior of the housing;
 - d) an axial hole in said in said walls at the extremity of said walls from said shaft connecting said grooves to said ~~cavity~~ housing.
10. (Currently Amended) An isolator in accordance with claim 9, wherein said radial grooves are more than one-half the radial dimension of said stator.
11. (Currently Amended) An isolator in accordance with claim 10, wherein said hole in said walls of said stator include a sloping surface connecting said radial grooves to said housing.

12. (Currently Amended) An isolator in accordance with claim 11, wherein said hole and said sloping surface are elongated.

13. (Currently Amended) An isolator in accordance with claim 12, wherein said hole and said sloping surface are milled in said walls of said stator.

14. (Currently Amended) An isolator in accordance with claim 9, wherein the inside diameter of said stator is proportional to the shaft diameter.

15. (Currently Amended) An isolator in accordance with claim 14, wherein the proportion between said stator and said shaft is 0.005 inches per inch of shaft diameter.

16. (Currently Amended) An isolator in accordance with claim 12, wherein said hole in said stator is elongated circumferentially.

17. -26. (CANCELLED)

27. (New) An isolator mechanism for use with a housing having a bearing with lubricant in a housing and a shaft protruding through the housing, the isolator comprising:

- a) a stator affixed to a housing and surrounding a shaft;
- b) a rotor rotating with said shaft and encompassing said stator;
- c) said stator having a plurality of radial grooves formed therein with the walls of said grooves extending between said housing and said shaft, wherein the exterior surface of a first wall of said grooves is facing the interior of said housing;

- e) an axial hole in said walls at the extremity of said walls from said shaft connecting said grooves to said housing; and,
- f) said grooves are adjacent to said shaft so as strip and collect lubricant adhering to said shaft.

28. (New) An isolator in accordance with claim 27, wherein said radial grooves are more than one-half the radial dimension of said stator.

29. (New) An isolator in accordance with claim 28, wherein said hole in said walls of said stator include a sloping surface connecting said radial grooves to said housing.

30. (New) An isolator in accordance with claim 29, wherein said hole and said sloping surface are elongated.

31. (New) An isolator in accordance with claim 29, wherein said hole and said sloping surface are milled in said walls of said stator.

32. (New) An isolator in accordance with claim 27, wherein the inside diameter of said stator is proportional to the shaft diameter.

33. (New) An isolator in accordance with claim 32, wherein the proportion between said stator and said shaft is 0.005 inches per inch of shaft diameter.

34. (New) An isolator in accordance with claim 30, wherein said hole in said stator is elongated circumferentially.